## **Contents**

Vol. 109, No. 1—4, 1992	
Preface	1
Organometallic Synthesis and Chemistry of Tin and Lead Compounds.	
B. Jousseaume	5
D. E. Wells	13
M. J. Waldock	23
Hydride-Trapping Techniques for the Speciation of Arsenic.	
A. G. Howard, S. D. W. Comber	27
P. Michel, B. Averty, V. Colandini	35
Speciation of Organic and Inorganic Arsenic by HPLC-HG-ICP.	-
R. Rubio, A. Padró, J. Alberti, G. Rauret	39
Separation of Arsenic Species by Ion-Pair and Ion Exchange High Performance Liquid Chromatography.	
E. H. Larsen, S. H. Hansen	47
Improvement of Speciation Analysis in Environmental Matrices. Identification of Refractory Arsenicals — Some Analytical Difficulties.	
A. M. M. de Bettencourt, M. H. F. S. Florêncio, L. F. Vilas-Boas	53
Speciation of Organotin and Organoarsenic in Water Samples.	
R. Ritsema	61
Y. Cai, S. Rapsomanikis, M. O. Andreae	67
Determination of Tributyltin in Sediments by Hydride Generation/GC/QFAAS.	
M. Astruc, R. Pinel, A. Astruc	73
Speciation of Organotin Compounds in Water and Sediments by Gas Chromatography/Atomic Absorption Spectrometry (GC-AAS).	
W. M. R. Dirkx, F. C. Adams	79
Speciation of Butyltin Compounds by On Line HPLC-ETAAS.	
M. Astruc, A. Astruc, R. Pinel	83
Tributyltin Speciation in Aquatic by CGC-FPD and CGC-MS Confirmation.  1. Tolosa, J. Dachs, J. M. Bayona	87
Electrochemical Speciation of Organotin Compounds in Water and Sediments. Application to Sea Water After Ion-Exchange Separation.	
M. Ochsenkühn-Petropoulou G. Poulea G. Parissakis	93

Preparation of Pentylated Organotin Standards for Use in Trace Analysis with Gas Chromatography.  J. A. Stäb, B. van Hattum, P. de Voogt, U. A. Th. Brinkman	101
Speciation Studies for Arsenic and Mercury-Applications and Prospects.	
M. Stoeppler, M. Burow, K. May, S. Padberg, G. Kloster	107
Studies on Organo-mercury Compounds Speciation.  R. Cela, R. A. Lorenzo, M. C. Mejuto, M. H. Bollain, M. C. Casais, A. Botana,	444
E. Rubi, M. I. Medina	111
Simple Oxidative Pretreatment for Determination of Organomercury by Cold Vapour Atomic Fluorescence Spectrometry.  W. Jian, C. W. McLeod	117
Determination of Methylmercury in Biological Samples by Capillary Gas Chromatography with Electron Capture Detection.  E. Bailey, A. G. F. Brooks	
Evaluation of CP Sil 8 CB Film Thickness for the Capillary GC Determination	121
of Methyl Mercury.	125
J. H. Petersen, I. Drabaek	125
Determination of Methylmercury in Organic Matrices with Gas Chromatogra- phy/Atomic Absorption Spectrometry.	424
U. Harms	131
Speciation of Alkyllead Compounds by GC-AAS: A State of Affairs.  W. M. R. Dirkx, R. J. A. Van Cleuvenbergen, F. C. Adams	133
Determination of Organolead Compounds and of Chromate Beside Cr (III).  B. Neidhart, Ch. Tausch	137
The Use of Sodium Tetraethylborate for the Derivatization and Analysis of Selenium Containing Compounds.  S. Clark, P. J. Craig	141
Chromium Speciation Studies in Human Plasma and Stability Studies of Cr(III) and Cr(VI) Species in a Candidate Water Reference Material.	
R. Cornelis, F. Borguet, S. Dyg, B. Griepink	145
Speciation of Antimony by Atomic Absorption Spectrometry. Applicability to Selective Determination of Sb(III) and Sb(V) in Liquid Samples and of Bioavailable Antimony in Sediments and Soil Samples.  M. B. de la Calle Guntiñas, Y. Madrid, C. Cámara	
	149
Aluminium Speciation: Clinical and Environmental Aspects.  A. Sanz-Medel, B. Fairman	157
Field Sampling Technique for Speciation of Inorganic Chromium in Rivers.  A. G. Cox, C. W. McLeod	161
The Role of Flow Injection Analysis in Speciation Studies.  M. D. Luque de Castro	165
Improvements of Speciation Analyses in Environmental Matrices.  Ph. Quevauller, O. F. X. Donard, E. A. Maier, B. Griepink	
News Section	105
Conference Calendar	101
Comprehence Calcindar	17

Vol. 109, No. 5-6, 1992

Printed on acid-free paper

Original Papers  Determination of Ethambutol in Pharmaceutical Preparations by Atomic Absorption Spectrometry, Spectrophotometry and Potentiometry.  S. S. M. Hassan, A. Shalaby	
sorption Spectrometry, Spectrophotometry and Potentiometry.  S. S. M. Hassan, A. Shalaby	
The Determination of Phosphonate Base Scale Inhibitors in Brines by Plasma Spectrometry.	
H Ibrahim V M Issa P Kamal	201
Evaluation of the Hydride Generation Technique for the Determination of Lead in Commercial Iron Oxide Pigments.	
I. López García, I. Nuño Peñalver, M. Hernández Córdoba	211
M. Meloun, M. Javůrek, J. Militký	221
P. Ettmayer	233
Trace Copper, Iron and Zinc in Natural Waters.  M. C. Yebra-Biurrun, A. Bermejo-Barrera, P. Bermejo-Barrera 2  Determination of Transition and Rare Earth Elements in Low-Alloy Steels as Chelates with 4-(2-Thiazolylazo)Resorcinol by Reversed-Phase High Per-	243
formance Liquid Chromatography.  R. Saraswati, N. R. Desikan, T. H. Rao	253
S. M. Marathe, S. S. Biswas, P. B. Patil, P. S. Murty	261
	269
M. J. Fay, A. Proctor, D. P. Hoffmann, M. Houalla, D. M. Hercules 2  Spectrophotometric Determination of Trace Amounts of Cadmium Using Cd(II)-KI-Crystal Violet System in the Presence of Triton X-100 and PVA.	281
J. Hu, WB. Qi, BY. Pu	295
M. Centeno Gallego, M. Callejón Mochón, M. Ternero Rodriguez, A. Guiraúm Pérez	301
Book Review	313